APPROVED	0.G. I	IG.
-	CLASS	SUBCLASS
DRAFTSMAN		

08 3.3411 Lof

A. Diazomethane, MeOH

B. LiBH4, MeOH

C. PPh3, Phthalimide, DEAD

D. TFA, CH₂Cl₂, NaHCO₃, Methyl bromoacetate

E. 1-Thyminylacetylchloride

F. H2NNH2, Boc2O, NaOH, MBHA Lys resin

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Α.

Hydrazine, Ethanol Methyl bromoacetate 1-Thyminylacetylchloride в.

Figure 2

APPROVED	O.G. FIG.		
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A. H2NNH2, BOC2O/NaOH, LiBH4/MeOH

Figure 3

APPROVED O.G. FIG. BY CLASS SUBCLASS DRAFTSMAN			08/319411	L f6
BOCHN CO ₂ H	TSOH ₃ N H	B - 7	NBoc CO ₂ H	
	PhthN CO ₂ Et	D	PhthN CO ₂ Et	

A. Ph3P, DEAD; TFA, TSOH

Ethoxycarbonylphthalimide; EtOH, DCC, HOBT TFA, DCM

B. Boc2NH

H2NNH2

D.

Ε.

Figure 4

46E

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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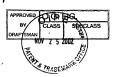
08/319411

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Glacial acetic acid, Sodiumtriacetoxyborohydride N-1-Carboxymethylthymine (Compound 3), 1N NaOH Α.

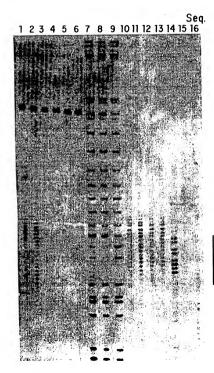
в.

Figure 5









PNA Binding Site

FIG. 6